

In the Abstract

Please substitute the following amended Abstract for the Abstract as currently pending (deleted matter is shown by strikethrough and added matter is shown by underlining):

A multi-photon fluorescence microscope ~~[(M)]~~ with an excitation beam path comprising an objective ~~[(2)]~~ which focuses excitation radiation ~~[(1)]~~ in a focal point ~~[(4)]~~ in the sample ~~[(5)]~~, a scanning unit which shifts the focal point ~~[(4)]~~ at least one-dimensionally, and a detecting unit which picks up luminescence radiation stimulated in the sample by multi-photon excitation is described, wherein the detecting unit comprises an area detector ~~[(9)]~~ which is located on the side of the sample ~~[(5)]~~ opposite to the objective ~~[(2)]~~.